

# South of Embley project

## Expression of interest

### Manual Valves

Package Number: 25977-000-MRA-PV00-00001

Package Title: Manual Valves

#### General Description

Rio Tinto's proposed South of Embley (SoE) project is located approximately 40 km south-west of Weipa in far North Queensland, Australia. Suppliers are requested to furnish all labour, materials and services for the design, fabrication, testing, preparation for shipment and delivery of Manual Valves.

#### Specific Scope Requirements

The valve type includes Knife Gate Valve, Check Valve, Butterfly Valve, Ball Valve, Globe Valve and Gate Valve. The sizes are varied from DN20 to DN1200 and the pressure requirement is 1400kPA.

The following features shall be incorporated into the design of the valves and associated accessories:

- Provision shall be made such that all valves except non return valves are lockable in both the fully closed and fully open position.
- Valves shall be capable of being open and shut (to a no-leak state) under all possible operating conditions with a force no greater than 350 Nm at initial opening and a force not greater than 180 Nm to operate.
- Valves shall be closed by rotating the hand wheel or lever in a clockwise direction when viewed from the operating position irrespective of whether the hand wheel is attached to, or remote from the valve. On each hand wheel there shall be clear indication as to the method of operating the valve by the use of arrows and the words indicating "Open" and "Close", permanently embossed on the hand wheel.
- Valves which are only suitable for unidirectional flow shall have an arrow indicating the direction of flow embossed on each side of the valve.
- When special bolting is required to install the valves, such bolts shall be supplied with the valve.
- Valves in contact with drinking water, recycled water or any combinations of these water supplies shall comply with AS/NZS 3500.1. All valves in contact with drinking water shall comply with AS 4020 and shall be watermark certified.

## **Delivery Schedule**

### **Forecast Award Date: 1Q, 2016**

In 2015, Rio Tinto is undertaking a detailed feasibility study on the Project that will inform a final investment decision. A decision is expected to be received in the final quarter of 2015. Future procurement decisions are dependent on board approval.

Construction of associated mine infrastructure is anticipated to take 36 months once final board approval is granted.

## **Instructions to suppliers**

If your business possesses the capability and capacity to perform the stated scope of work, please submit a registration of interest via the ICN Gateway at [www.southofembley.icn.org.au](http://www.southofembley.icn.org.au).

Please ensure that:

- Your company profile on ICN Gateway is complete, up-to-date
- You register your interest as a Full Scope or Partial Scope supplier (where applicable), and
- You respond to all project-specific questions via the ICN Gateway.

## **More Information**

Please contact the Industry Capability Network Queensland on +61 (7) 3364 0676 should you have any enquiries regarding this scope of work.

More information about the South of Embley Project can be found on the Rio Tinto website [www.riotinto.com](http://www.riotinto.com).

## **Disclaimer**

Scope of Work is indicative only and is intended to be used as a summary description of work which may be required by Rio Tinto and may be subject to change. Full scopes of work will be made available to parties that are invited to tender. There is no undertaking to contract or proceed to a competitive process implied by this form. Further contact with interested suppliers will be at Rio Tinto's discretion.